



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12551754
SAU: MSAD 61
School: Lake Region Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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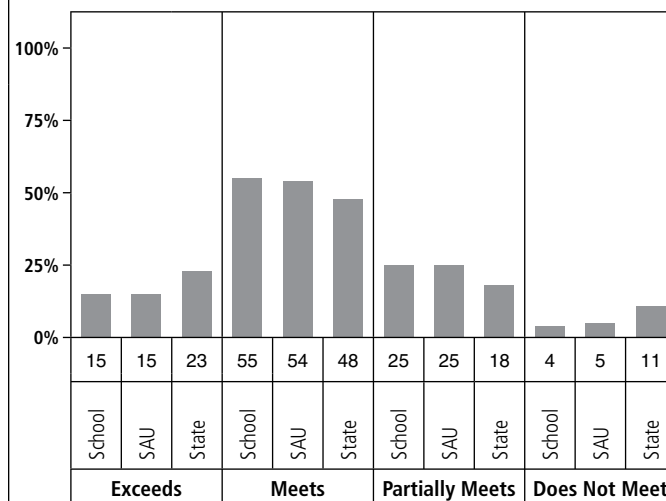
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

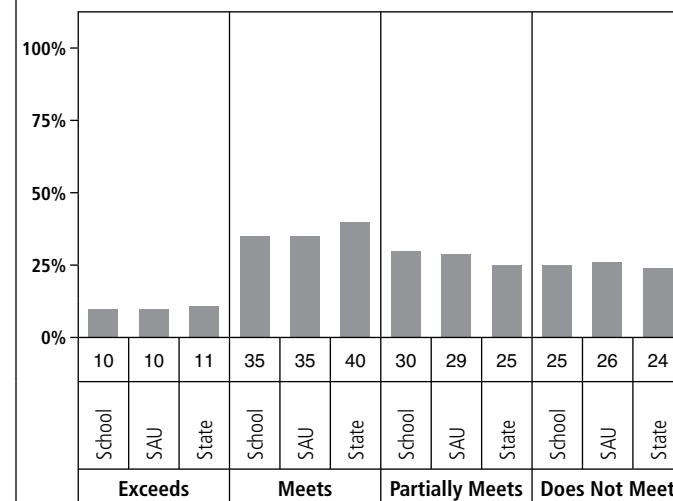
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	845	844	845
2006–2007	844	844	847
2007–2008	847	847	849
Cum. Avg. *	845	845	847
Mathematics			
2005–2006	833	832	840
2006–2007	839	839	842
2007–2008	840	840	841
Cum. Avg. *	837	837	841
Science & Technology			
2005–2006	845	845	846
2006–2007	846	846	847
2007–2008	845	845	847
Cum. Avg. *	845	845	847

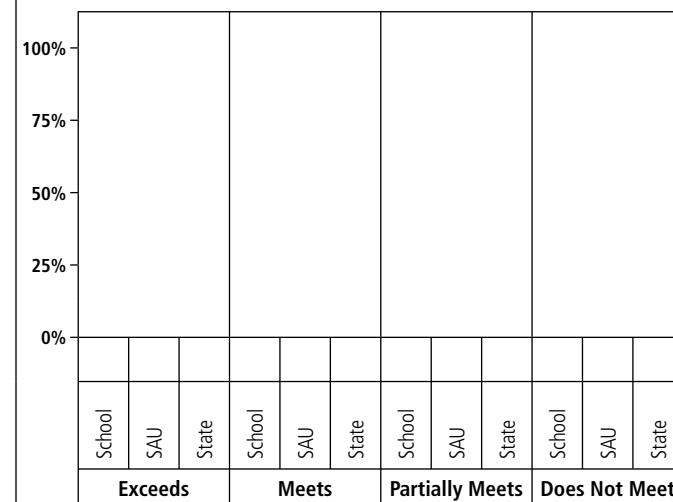
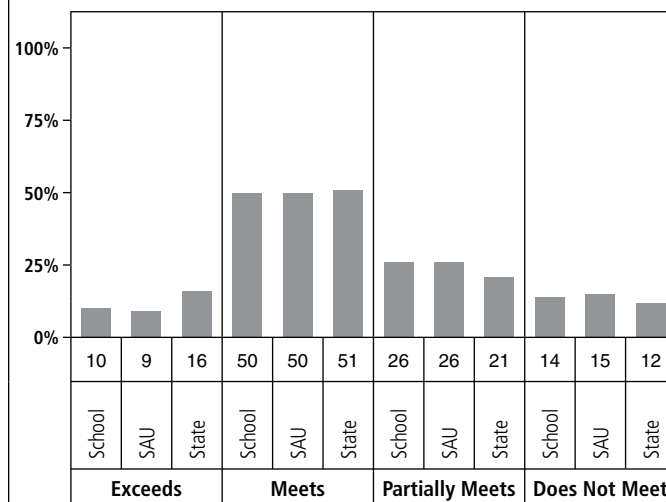
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	161	100	162	100	15274	100	158	99	159	99	15102	99	156	99	157	99	15097	99	158	99	159	99	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	1	1	1	1	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98						
Asian or Pacific Islander	2	1	2	1	186	1	2	100	2	100	181	97	2	100	2	100	182	98	2	100	2	100	182	98						
Hispanic	2	1	2	1	139	1	2	100	2	100	136	98	2	100	2	100	136	98	2	100	2	100	136	98						
Caucasian/White	156	97	157	97	14461	95	153	99	154	99	14312	99	151	99	152	99	14302	99	153	99	154	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	27	17	28	17	2508	16	27	100	28	100	2446	98	26	96	27	96	2441	98	27	100	28	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	65	40	65	40	5420	35	64	100	64	100	5329	99	63	100	63	100	5324	99	64	100	64	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	133	83	133	82	12703	83	132	82	132	81	12694	83	133	83	133	82	12710	83						
Identified disability (PET/IEP)	7	5	7	5	437	3	7	5	7	5	421	3	7	5	7	5	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	24	15	25	15	2221	15	23	14	24	15	2227	15	24	15	25	15	2197	14						
Identified disability (PET/IEP)	19	79	20	80	1832	82	18	78	19	79	1844	83	19	79	20	80	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	5	21	5	20	213	10	5	22	5	21	202	9	5	21	5	20	204	9						
Participation through alternate assessment (PAAP)	1	1	1	1	177	1	1	1	1	1	176	1	1	1	1	1	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	2	1	2	1	32	0	3	2	3	2	34	0	2	1	2	1	34	0						
Non-participation – other	1	1	1	1	140	1	2	1	2	1	143	1	1	1	1	1	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	26	15	25	14	2695	17
	2006-2007	14	10	14	10	2407	16
	2007-2008	24	15	24	15	3428	23
	Cum. Total*	64	13	63	13	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	73	41	73	41	6830	42
	2006-2007	67	47	67	47	7494	49
	2007-2008	86	55	86	54	7179	48
	Cum. Total*	226	47	226	47	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	44	25	44	25	3741	23
	2006-2007	41	28	41	28	3628	24
	2007-2008	40	25	40	25	2706	18
	Cum. Total*	125	26	125	26	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	34	19	34	19	3003	18
	2006-2007	22	15	22	15	1810	12
	2007-2008	7	4	8	5	1611	11
	Cum. Total*	63	13	64	13	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	35.9	64.1	35.8	63.9	36.9	65.9
Literary Text	28	50	17.6	62.9	17.6	62.9	18.3	65.4
Informational Text	28	50	18.3	65.4	18.3	65.4	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 61
 School: Lake Region Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	157	24	15	86	55	40	25	7	4	847	158	15	54	25	5	847	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	2										2						179	32	39	18	11	852
Hispanic	2										2						131	18	38	27	17	846
Caucasian/White	152	23	15	84	55	38	25	7	5	848	153	15	55	25	5	847	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	26	2	8	8	31	12	46	4	15	839	27	7	30	44	19	838	2269	3	24	32	42	833
No	131	22	17	78	60	28	21	3	2	849	131	17	60	21	2	849	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	157	24	15	86	55	40	25	7	4	847	158	15	54	25	5	847	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	63	8	13	33	52	18	29	4	6	846	63	13	52	29	6	846	5222	12	44	25	19	843
No	94	16	17	53	56	22	23	3	3	848	95	17	56	23	4	848	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	157	24	15	86	55	40	25	7	4	847	158	15	54	25	5	847	14917	23	48	18	11	849
Gender																						
Female	70	18	26	35	50	14	20	3	4	850	70	26	50	20	4	850	7198	30	48	15	7	853
Male	87	6	7	51	59	26	30	4	5	845	88	7	58	30	6	845	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	157	24	15	86	55	40	25	7	4	847	158	15	54	25	5	847	14117	24	49	17	10	850
Gifted/talented program																						
Yes	21	10	48	11	52	0	0	0	0	860	21	48	52	0	0	860	592	71	28	1	0	867
No	136	14	10	75	55	40	29	7	5	845	137	10	55	29	6	845	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	7 53 36 4	2 11 11 0	18 13 20 0	4 47 32 3	36 57 57 43	4 21 13 2	36 25 23 29	1 4 0 2	9 5 0 29	845 846 851 838	7 53 35 4	18 13 20 0	36 56 57 43	36 25 23 29	9 6 0 29	845 846 851 838	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	25 58 11 6	12 12 0 0	30 13 0 0	19 57 8 2	48 63 47 22	8 18 9 5	20 20 53 56	1 4 0 2	3 4 0 22	852 848 840 833	25 58 11 6	30 13 0 0	48 63 44 22	20 20 50 56	3 4 6 22	852 848 839 833	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	26 42 26 6	15 5 3 0	37 8 7 0	19 43 23 1	46 66 56 11	7 14 12 7	17 22 29 78	0 3 3 1	0 5 7 11	854 847 845 834	26 41 27 6	37 8 7 0	46 66 55 11	17 22 29 78	0 5 10 11	854 847 844 834	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	11 58 31	0 14 10	0 16 21	8 50 27	50 57 57	7 19 9	44 22 19	1 4 1	6 5 2	843 848 851	11 58 31	0 16 21	47 57 57	41 22 19	12 5 2	842 848 851	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	9 47 45	1 6 17	8 9 26	5 36 44	38 52 67	5 25 5	38 36 8	2 2 0	15 3 0	841 845 853	9 46 44	7 9 26	36 52 67	36 36 8	21 3 0	839 845 853	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	41 48 11	6 16 1	10 23 6	34 40 9	57 56 53	18 13 6	30 18 35	2 2 1	3 3 6	846 850 843	40 48 11	10 22 6	57 56 53	30 18 35	3 4 6	846 850 843	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	17 48 11 24	7 13 1 3	26 17 6 8	13 49 12 12	48 65 67 32	5 12 4 19	19 16 22 51	2 1 1 3	7 1 6 8	850 850 847 840	17 47 11 24	26 17 6 8	48 65 67 32	19 16 22 50	7 1 6 11	850 850 847 840	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	46 45 5 4	13 11 0 0	18 16 0 0	44 35 5 2	61 50 63 29	14 20 2 4	19 29 25 57	1 4 1 1	1 6 13 14	851 846 844 833	46 44 5 4	18 16 0 0	60 50 63 29	19 29 25 57	3 6 13 14	850 846 844 833	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	0 71 0 29	0 0 0 0	0 0 0 0	3 60 1 1	60 2 50 50	2 40 1 1	40 0 50 50	0 0 0 0	0 0 0 0	844 844 844 838	0 71 0 29	0 0 0 0	60 60 50 50	40 40 0 0	0 0 0 0	844 844 844 838						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	7	4	6	3	1714	11
	2006-2007	15	10	15	10	1952	13
	2007-2008	16	10	16	10	1657	11
	Cum. Total*	38	8	37	8	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	42	24	42	24	5533	34
	2006-2007	45	31	45	31	5870	38
	2007-2008	54	35	54	35	5956	40
	Cum. Total*	141	30	141	30	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	63	36	63	36	4764	29
	2006-2007	40	28	40	28	3982	26
	2007-2008	46	30	46	29	3729	25
	Cum. Total*	149	31	149	31	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	65	37	65	37	4251	26
	2006-2007	44	31	44	31	3534	23
	2007-2008	39	25	40	26	3579	24
	Cum. Total*	148	31	149	31	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.3	51.9	8.2	51.3	8.4	52.5
Cluster 2: Shape and Size	14	25	5.5	39.3	5.5	39.3	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.6	57.5	4.6	57.5	4.6	57.5
Cluster 4: Patterns	18	32	8.7	48.3	8.6	47.8	8.9	49.4

- Cluster 1: Numbers and Operations**
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 E. Geometry
 F. Measurement
- Cluster 3: Mathematical Decision Making**
 C. Data Analysis and Statistics
 D. Probability
- Cluster 4: Patterns**
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lslalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 61
 School: Lake Region Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	155	16	10	54	35	46	30	39	25	840	156	10	35	29	26	840	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	2										2						181	24	42	20	14	848
Hispanic	2										2						131	7	34	26	33	836
Caucasian/White	150	16	11	53	35	43	29	38	25	840	151	11	35	28	26	840	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	25	0	0	5	20	7	28	13	52	831	26	0	19	27	54	830	2265	1	14	22	62	824
No	130	16	12	49	38	39	30	26	20	842	130	12	38	30	20	842	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	155	16	10	54	35	46	30	39	25	840	156	10	35	29	26	840	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	62	5	8	22	35	16	26	19	31	838	62	8	35	26	31	838	5217	5	30	29	37	834
No	93	11	12	32	34	30	32	20	22	842	94	12	34	32	22	841	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	155	16	10	54	35	46	30	39	25	840	156	10	35	29	26	840	14914	11	40	25	24	841
Gender																						
Female	69	7	10	24	35	26	38	12	17	841	69	10	35	38	17	841	7199	11	40	26	23	841
Male	86	9	10	30	35	20	23	27	31	840	87	10	34	23	32	839	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	155	16	10	54	35	46	30	39	25	840	156	10	35	29	26	840	14115	12	41	25	23	842
Gifted/talented program																						
Yes	21	10	48	11	52	0	0	0	0	862	21	48	52	0	0	862	592	58	39	2	1	864
No	134	6	4	43	32	46	34	39	29	837	135	4	32	34	30	837	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	1	9	4	36	4	36	2	18	842	7	9	36	36	18	842	9	5	30	23	41	833
B. less than one hour	53	4	5	32	39	24	29	22	27	840	53	5	39	29	28	839	46	10	40	26	25	840
C. one to two hours	36	11	20	18	32	16	29	11	20	843	36	20	32	29	20	843	41	14	42	25	19	843
D. more than two hours	4	0	0	0	0	2	33	4	67	821	4	0	0	33	67	821	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	28	9	21	19	44	9	21	6	14	848	28	21	44	21	14	848	30	17	43	22	18	845
B. They match some of what I have learned.	48	7	9	24	32	24	32	19	26	840	48	9	32	32	27	840	50	10	42	26	22	841
C. They match just a little of what I have learned.	16	0	0	9	38	8	33	7	29	835	15	0	38	33	29	835	17	6	32	29	33	836
D. There is no match.	8	0	0	1	8	5	38	7	54	825	8	0	8	38	54	825	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	20	5	16	16	52	7	23	3	10	848	20	16	52	23	10	848	26	29	46	14	11	851
B. good	49	10	13	29	39	23	31	13	17	843	48	13	39	31	17	843	45	7	46	27	20	841
C. fair	26	1	3	9	23	13	33	17	43	833	26	2	22	32	44	832	23	1	26	34	38	833
D. poor	5	0	0	0	0	3	38	5	63	825	5	0	0	38	63	825	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	25	1	3	14	38	11	30	11	30	835	26	3	37	29	32	835	34	4	35	28	32	836
B. about the same as my regular schoolwork	54	8	10	21	26	28	35	23	29	839	54	10	26	35	29	839	52	10	43	26	21	842
C. easier than my regular schoolwork	21	7	23	17	55	6	19	1	3	853	21	23	55	19	3	853	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	38	6	11	22	39	17	30	11	20	841	38	11	39	30	20	841	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	55	10	12	28	35	24	30	19	23	841	55	12	34	29	24	841	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	2	18	5	45	4	36	833	7	0	18	45	36	833	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	3	1	25	1	25	2	50	0	0	847	3	25	25	50	0	847	9	6	38	27	29	837
B. two or three days a week	13	2	10	7	35	5	25	6	30	841	13	10	35	25	30	841	16	8	38	27	27	839
C. two or three times each month	35	3	6	19	35	16	30	16	30	838	35	6	35	30	30	838	28	12	41	27	21	843
D. never or almost never	50	10	13	27	35	23	30	17	22	841	50	13	35	29	23	841	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	18	3	11	9	32	8	29	8	29	839	18	11	32	29	29	839	38	14	42	23	21	843
B. two or three times a week	27	2	5	15	36	14	33	11	26	839	27	5	36	33	26	839	33	10	41	26	23	841
C. two or three times each month	23	5	14	10	29	10	29	10	29	840	22	14	29	29	29	840	18	10	36	27	27	840
D. never or almost never	32	6	12	20	40	14	28	10	20	842	33	12	39	27	22	841	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	58	13	14	33	37	22	24	22	24	842	58	14	36	24	25	842	54	14	44	23	18	844
B. agree	31	3	6	17	35	16	33	12	25	839	31	6	35	33	25	839	38	8	36	27	28	838
C. disagree	6	0	0	3	30	6	60	1	10	838	6	0	30	60	10	838	6	6	31	28	36	835
D. strongly disagree	5	0	0	1	14	2	29	4	57	827	4	0	14	29	57	827	2	3	23	25	49	831
Optional school/SAU question																						
A.	0										0											
B.	71	0	0	1	20	2	40	2	40	828	71	0	20	40	40	828						
C.	0										0											
D.	29	0	0	0	0	1	50	1	50	828	29	0	0	50	50	828						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	16	9	15	9	1879	12
	2006-2007	16	11	16	11	2192	14
	2007-2008	15	10	15	9	2371	16
	Cum. Total*	47	10	46	10	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	91	51	91	52	8604	53
	2006-2007	69	48	69	48	7916	52
	2007-2008	79	50	79	50	7630	51
	Cum. Total*	239	50	239	50	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	44	25	43	24	3618	22
	2006-2007	35	24	35	24	3340	22
	2007-2008	41	26	41	26	3175	21
	Cum. Total*	120	25	119	25	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	26	15	27	15	2174	13
	2006-2007	23	16	23	16	1865	12
	2007-2008	22	14	23	15	1731	12
	Cum. Total*	71	15	73	15	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.6	54.3	7.5	53.6	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.7	47.9	6.6	47.1	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	6.9	49.3	6.9	49.3	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.6	61.4	8.5	60.7	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslg/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	157	15	10	79	50	41	26	22	14	845	158	9	50	26	15	845	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	2										2						181	20	50	15	15	849
Hispanic	2										2						131	5	50	22	23	842
Caucasian/White	152	15	10	76	50	40	26	21	14	845	153	10	50	26	14	845	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	26	1	4	12	46	5	19	8	31	840	27	4	44	19	33	839	2258	3	29	31	37	836
No	131	14	11	67	51	36	27	14	11	846	131	11	51	27	11	846	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	157	15	10	79	50	41	26	22	14	845	158	9	50	26	15	845	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	63	4	6	29	46	20	32	10	16	843	63	6	46	32	16	843	5206	8	45	28	20	842
No	94	11	12	50	53	21	22	12	13	846	95	12	53	22	14	845	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	157	15	10	79	50	41	26	22	14	845	158	9	50	26	15	845	14900	16	51	21	12	847
Gender																						
Female	70	3	4	35	50	21	30	11	16	843	70	4	50	30	16	843	7196	14	52	23	12	847
Male	87	12	14	44	51	20	23	11	13	846	88	14	50	23	14	846	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	157	15	10	79	50	41	26	22	14	845	158	9	50	26	15	845	14103	16	52	21	11	848
Gifted/talented program																						
Yes	21	10	48	11	52	0	0	0	0	862	21	48	52	0	0	862	592	63	35	1	0	865
No	136	5	4	68	50	41	30	22	16	842	137	4	50	30	17	842	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 61
School: Lake Region Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	1	9	6	55	2	18	2	18	842	7	9	55	18	18	842	9	10	40	26	23	842
B. less than one hour	53	5	6	45	54	22	27	11	13	844	53	6	54	26	14	844	46	14	52	22	12	847
C. one to two hours	36	9	16	27	48	13	23	7	13	847	35	16	48	23	13	847	41	19	53	19	9	849
D. more than two hours	4	0	0	1	14	4	57	2	29	836	4	0	14	57	29	836	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	27	4	9	30	70	6	14	3	7	850	27	9	70	14	7	850	29	19	54	19	9	849
B. They match some of what I have learned.	47	8	11	36	49	20	27	10	14	844	47	11	49	27	14	844	49	16	51	22	11	848
C. They match just a little of what I have learned.	17	3	12	12	46	8	31	3	12	845	17	11	44	30	15	843	18	13	51	23	13	846
D. There is no match.	9	0	0	1	7	7	50	6	43	832	9	0	7	50	43	832	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	16	4	16	13	52	6	24	2	8	849	16	16	52	24	8	849	23	28	51	13	8	853
B. good	49	7	9	45	58	15	19	10	13	846	49	9	58	19	14	846	54	15	55	21	9	848
C. fair	27	3	7	19	45	13	31	7	17	842	27	7	45	31	17	842	20	5	45	32	18	842
D. poor	8	1	8	2	15	7	54	3	23	838	8	8	15	54	23	838	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	22	5	15	10	30	10	30	8	24	843	22	15	29	29	26	841	27	15	49	22	14	846
B. about the same as my regular schoolwork	64	7	7	54	56	25	26	10	10	845	63	7	56	26	10	845	59	15	53	22	10	848
C. easier than my regular schoolwork	15	3	14	14	64	3	14	2	9	849	14	14	64	14	9	849	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	31	5	11	23	49	14	30	5	11	845	31	11	49	30	11	845	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	59	9	10	50	56	19	21	12	13	846	59	10	55	21	14	846	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	10	1	7	6	40	5	33	3	20	840	10	7	40	33	20	840	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	22	0	0	23	70	7	21	3	9	845	23	0	68	21	12	843	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	26	7	18	16	42	10	26	5	13	848	25	18	42	26	13	848	24	18	53	20	10	849
C. the course(s) described in B, plus physics	15	4	18	13	59	4	18	1	5	851	15	18	59	18	5	851	22	30	47	14	8	853
D. a life science and physical science class	38	3	5	23	41	18	32	12	21	841	37	5	41	32	21	841	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	27	5	12	27	63	8	19	3	7	849	27	12	63	19	7	849	27	23	51	17	9	851
B. agree	54	9	11	40	48	24	29	11	13	845	54	11	47	28	14	844	54	15	53	21	11	847
C. disagree	14	0	0	11	50	5	23	6	27	839	14	0	50	23	27	839	15	10	50	26	14	845
D. strongly disagree	5	1	13	1	13	4	50	2	25	837	5	13	13	50	25	837	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	25	7	18	22	56	7	18	3	8	851	25	18	56	18	8	851	25	24	52	15	8	851
B. agree	38	3	5	32	53	18	30	7	12	843	39	5	52	30	13	842	37	15	50	22	12	847
C. disagree	23	5	14	18	50	7	19	6	17	846	23	14	50	19	17	846	26	12	53	23	12	846
D. strongly disagree	13	0	0	6	29	9	43	6	29	836	13	0	29	43	29	836	12	8	48	28	15	844
Optional school/SAU question																						
A.	0										0											
B.	71	0	0	2	40	3	60	0	0	842	71	0	40	60	0	842						
C.	0										0											
D.	29	0	0	0	0	2	100	0	0	835	29	0	0	100	0	835						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number